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575 Oak Ridge Turnpike  
Suite B-4 Pacific Western Technologies, LTD.  
Oak Ridge, TN 37830

Tel 423-483-0554  
Fax 423-483-8838

**Pacific Western Technologies**

September 1, 1999

Mr. Donnie L. Chumbler  
Bechtel Jacobs Company LLC  
West Kentucky Technology Park  
761 Veteran Avenue  
Kevil, Kentucky 42053

Subject: **Cylinder Haulers**

Dear Mr. Chumbler:


Pacific Western Technologies is pleased to submit a surveillance of "Cylinder Haulers." This surveillance is a check of three Allied-Wagner Cylinder Haulers for suspect/counterfeit fasteners and a review of the Cylinder handler's training and qualification records. There was one discrepancy noted in the areas reviewed.

The attached checklist and summary report was developed from FS-C-2400, *Handling and Inspection of DOE 48-Inch Diameter UF6 Cylinder* and provides details of the surveillance.

If you have any questions please feel free to call me at (270) 441-5161.

Sincerely,

PWT

  
D. R. Lamar  
Quality Engineer

Enclosure

C: Ken Campbell, PWT/OR

PWT Oak Ridge, TN

Q-00004-0282



**SURVEILLANCE CHECKLIST**  
**Environmental Management and Enrichment Facility**

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Surveillance No.: Sur: PWT-02-99		Title: Cylinder Haulers			
<div style="text-align: center;"> <b>PWT</b>  <i>Pacific Western Technologies</i> </div>		Ref. Documents: FS-C-2400, "Handling and Inspection of DOE 48-Inch-Diameter UF6 Cylinders. DOE's Suspect Bolt Headmark List.			
Surveillance Checklist		Surveillance Results			
Item	Surveillance Characteristic	ACC	DEF	N/A	Comments
1.	<b>Suspect/Counterfeit Fasteners</b> Cylinder Haulers checked for suspect/counterfeit fasteners per DOE's Suspect Bolt Headmark List.	X			Three Allied-Wagner cylinder haulers, C-90026, C900130, and C-900131 were checked for suspect/counterfeit fasteners.
2.	<b>Training</b> Personnel assigned to operate cylinder handlers or other cylinder handling equipment shall have completed training and be qualified to operate the equipment in accordance with site requirements.		X		PJ002, Rev. 0, Nuclear Cylinder Handler Qualification Requirements Document, Appendix A Group 1 Core Training requires training titled, <i>Prepare for UF6 Cylinder Relocation</i> . Training histories of operators do not reflect this training. There is a training Group 1, nuclear cylinder handler core training matrix for operators with a hand written comment under Document Reference stating, <i>not required</i> . The matrix is in conflict with PJ002, Rev 0.
Prepared by: D. R. Lamar		Performed by:		Date:	

**SURVEILLANCE CHECKLIST**  
**Environmental Management and Enrichment Facility**

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Surveillance No.: Sur: PWT-02-99		Title: Cylinder Haulers			
<b>PWT</b> <i>Pacific Western Technologies</i>		Ref. Documents: FS-C-2400, "Handling and Inspection of DOE 48-Inch-Diameter UF6 Cylinders. DOE's Suspect Bolt Headmark List.			
Surveillance Checklist		Surveillance Results			
Item	Surveillance Characteristic	ACC	DEF	N/A	Comments
3.	Personnel relocating and/or inspecting cylinders shall have completed documented training on this procedure (FS-C-2400)	X			Reference PUE for FS-C-2400
4.	Personnel assigned to move cylinders containing fissile material are qualified Fissionable Material Handlers.	X			Reference PJ002 section 4. Qualification Requirements for Handling Fissile Material
5.	Personnel who perform pre-use equipment checks have completed documented training in accordance with site requirements.	X			
6.	Personnel using DOE UF6 cylinder Computer Interface (CII) pen-based computers to record inspection criteria shall be trained and qualified on their use	X			
Prepared by: D. R. Lamar		Performed by:		Date:	

**Summary Report**  
Surveillance Number: Sur: PWT-02-99  
Cylinder Haulers

**Note:** FS-C-2400, Handling and Inspection of DOE 48 Inch-Diameter UF6 Cylinders, PJ002 Rev. 0, Nuclear Cylinder Handler Qualification Requirements Document, Dated July 1998, and the DOE Suspect Fastener Headmark List were documents used to perform this surveillance.

Cylinder Handlers moving and relocating cylinders was not witnessed during the surveillance because no DOE cylinders are being moved at this time. The nearest estimate for resumption of the DOE cylinder movement is one or two month.

**Training**

Procedure FA-C-2400, *Handling and Inspection of DOE 48-Inch-Diameter UF6 Cylinders*, section 3.0 A. states, "Personnel assigned to operate cylinder handlers or other cylinder handling equipment shall have completed training and be qualified to operate the equipment in accordance with site requirements."

PJ002 Rev. 0, *Nuclear Cylinder Handler Qualification Requirements Document*, dated July 1998, section 2.1.2, Initial Qualification Training, states, "After completing the core training requirements in **Appendix A, Group 1**, the nuclear cylinder handlers may qualify on a task-by-task basis by completing the following:"

Appendix A, Group 1, *Nuclear Cylinder Handler Core Training*, A.1.3 requires training titled, "Prepare for UF6 Cylinder Relocation." A unofficial matrix of Bechtel Jacobs Company Group 1 Nuclear Cylinder Handler Core Training has the words "not req" penciled in the Documentation Reference column. Individuals training histories do reflect that this training is being received. PJ002 Rev.0 and the matrix document are in conflict on the training requirements.